

**MENU****SEARCH****INDEX****DETAIL****JAPANESE****LEGAL  
STATUS**

1 / 1

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2000-191973**

(43)Date of publication of  
application : **11.07.2000**

(51)Int.Cl. **C09D 11/18**

(21)Application  
number : **10-378395**

(71) **FUJI SHIKISO KK**  
Applicant :

(22)Date of filing : **24.12.1998**

(72)Inventor : **FUKUI MASAYUKI**

### (54) **AQUEOUS INK COMPOSITION FOR BALL-POINT PEN**

#### (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain the subject composition free from troubles, affording smooth writing feeling, and satisfying cap-off property writing performance and storage performance by including a specific surfactant and others.

**SOLUTION:** This ink composition essentially comprises water, (A) a pigment, (B) a surfactant, (C) a pH adjustor, (D) a shear viscosity reducing agent, and (E) a moisturizer; wherein the component B is a compound of the formula:  $\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{SO}_3\text{M}$  [R is a 8-20C (un)saturated hydrocarbon; n is 3-30; M is an alkali metal, ammonium, alkylamine, or the like], the component D is an alkali-swellable acrylic emulsion, and the component E is diethylene glycol singly or a mixture of ethylene glycol and diethylene glycol; and it is preferable that the component C is ammonia, an amine or inorganic salt, and this ink composition has a pH of  $\geq 8$ .